



## MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,  
BAIE D'URFÉ, QUEBEC, H9X 0A2  
CANADA

<b>Fluval CO<sub>2</sub> Indicator Liquid</b>
<b>A-7552</b>

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<b>Section I. Product identification and uses</b>	
Product name	Fluval CO <sub>2</sub> Indicator Liquid
CAS #	76-59-5
Use	CO <sub>2</sub> indicator
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency	Call your local Poison Control Centre

<b>Section II. Composition and information on ingredients</b>					
Ingredients	Conc. (%)	CAS #	EINECS #	LD50	LC50
Bromothymol Blue		76-59-5	200-971-2		

<b>Section III. Hazardous ingredients</b>		
WHMIS	Classification	Transport of dangerous goods

<b>Section IV. Physical data</b>	
Physical state and appearance/Odour	Violet liquid / Characteristic
pH	No information available
Percent volatile	No information available
Freezing point	No information available
Boiling point	No information available
Specific gravity	No information available
Vapour density	No information available
Odour threshold	No information available
Vapour pressure	No information available



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Evaporation rate	No information available
Solubility	No information available

<b>Section V. Fire or explosion risk</b>			
Flammability conditions			
No information available			
Means of extinction			
As appropriate to the environment.			
Procedures in case of a fire			
No information available			
Hazardous combustion materials			
Combustible. In the event of fire, toxic fumes may form: SO <sub>x</sub> , Br <sub>2</sub> , HBr.			
Flash point	Flammability threshold		Temp auto-ignition
No information available	Minimal	Maximal	

<b>Section VI. Reactivity data</b>	
Instability conditions	No information available
Incompatible products	No information available
Reactivity conditions	No information available
Hazardous decomposition products	No information available



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### Section VII. Toxicological properties

#### Routes of entry

Effects of acute	No specific data on this product known with regard to effects of overdose in humans. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.
Eye	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available
Effects of chronic overexposure	No information available

### Section VIII. First aid

Eye contact	Wash with plenty of water, keeping eyelids open.
Skin contact	Wash with plenty of water. Remove contaminated clothing.
Inhalation	Take the person out into the fresh air. In the event sickness persists, seek medical assistance.
Ingestion	Drink large amounts of water. Induce vomiting. In the event of sickness, seek medical assistance. Never provide drink or induce vomiting in the event of loss of consciousness.

### Section IX. Accidental release measures

Person-related safety precautions	No information available
Measures for environmental protection	Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.



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Measures for cleaning/collecting

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

### Section X. Handling and storage

**Handling:** No special indications.

**Storage:** Well sealed containers. Dry atmosphere. Atmospheric temperature.

### Section XI. Exposure controls and personal protection

Protective clothing

**Hand protection:** Use suitable gloves

**Eye protection:** Use suitable goggles.

**Individual hygiene measures:**

Use suitable work clothing. Remove contaminated clothing.

Engineering controls

### Section XII. Disposal considerations

Product recommendation

Uncleaned packaging recommendation

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

### Section XIII. Ecological information

No information available

### Section XIV. Transportation information

No information available

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